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1:40 pm, Oct 14, 2009

Alameda County
Environmental Health

Stacie H. Frerichs
Team Lead
Marketing Business Unit

Chevron Environmental Management Company
6001 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 842-9655
Fax (925) 842-8370

October 12, 2009
(date)

Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Facility #_9-6991_____

Address: 2920 Castro Valley Boulevard, Castro Valley, California_____

I have reviewed the attached report titled *Third Quarter 2009 Groundwater Monitoring Report* _____ and dated October 12, 2009.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Conestoga-Rovers & Associates, upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,

SH Frerichs

Stacie H. Frerichs
Project Manager

Enclosure: Report

CONESTOGA-ROVERS
& ASSOCIATES

10969 Trade Center Drive, Suite 106, Rancho Cordova, CA 95670
Telephone: 916-889-8900 Facsimile: 916-889-8999
www.CRAworld.com

October 13, 2009 Reference No. 611633

Mr. Mark Detterman, PG, CEG
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Third Quarter 2009 Groundwater Monitoring Report
Chevron Service Station No. 9-6991
2920 Castro Valley Boulevard
Castro Valley, California
LOP Case #RO0000475

Dear Mr. Detterman:

Conestoga-Rovers & Associates (CRA) is submitting the attached *Groundwater Monitoring and Sampling Report* (report) to Alameda County Environmental Health (ACEH) on behalf of Chevron Environmental Management Company (Chevron) for the site referenced above. The report (prepared by Gettler-Ryan Inc. and dated September 23, 2009) presents the results of the sampling of wells MW-2, MW-6 and MW-7 during third quarter 2009 (Attachment A). Wells MW-1 and MW-4 are sampled on an annual basis during the first quarter, and wells MW-2, MW-6 and MW-7 are sampled on a semi-annual basis during the first and third quarters. Also attached are Figure 1 (Vicinity Map) showing the site location, and Figure 2 (Concentration Map) presenting the third quarter analytical results along with a rose diagram. The monitoring results during 2009 (first through third quarters) are summarized below.

During 2009, petroleum hydrocarbon concentrations in the site wells generally were similar to or less than those observed during 2008. Elevated to slightly elevated concentrations of total petroleum hydrocarbons as diesel (TPHd) (ranging from 1,000 to 6,800 micrograms per liter [µg/L]), TPH as gasoline (TPHg) (ranging from 1,800 to 2,100 µg/L), and methyl tertiary butyl ether (MTBE) (ranging from 57 to 150 µg/L) were detected in well MW-7 during 2009; benzene, toluene, ethylbenzene, and xylenes (BTEX) were not detected with the exception of low concentrations of ethylbenzene (up to 3 µg/L). The detected TPHd and TPHg concentrations in well MW-7 are consistent with historical fluctuations; and have remained relatively stable throughout the course of monitoring. The detected MTBE concentrations in well MW-7 are also consistent with recent fluctuations; however, concentrations have significantly decreased since the start of monitoring.

Only a low concentration of TPHd (77 µg/L) was detected in well MW-1 during 2009. Only low to relatively low concentrations of TPHd (75 µg/L) and MTBE (55 µg/L and 10 µg/L) were detected in well MW-2 during 2009; the TPHd concentrations are consistent with historical fluctuations, however, the MTBE concentrations continue to decrease and have significantly

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decreased since the start of monitoring. TPHg and BTEX have not been detected in well MW-2 for several years. Low concentrations of TPHd (up to 140 µg/L), TPHg (160 µg/L), ethylbenzene (1 µg/L), xylenes (7 µg/L), and MTBE (up to 5 µg/L) were detected in downgradient well MW-6 during 2009; the detected concentrations are consistent with historical fluctuations and have steadily decreased. Petroleum hydrocarbons were not detected in well MW-4 during 2009; historically, only low concentrations of TPHd and MTBE have periodically been detected in this well.

Based on the analytical results, impacted groundwater remains beneath the site, with elevated concentrations present in the area of well MW-7 downgradient of the underground storage tanks (USTs) and former dispensers. The TPHd and TPHg concentrations in well MW-7 have remained relatively stable, while the MTBE concentrations have significantly decreased and BTEX are no longer detected. Generally, low concentrations of petroleum hydrocarbons were detected in the remaining wells, and concentrations have generally decreased since the start of monitoring. Only low concentrations of TPHd and MTBE remain in downgradient well MW-6. CRA recommends continued monitoring and sampling to further evaluate groundwater quality and concentration trends.

As requested by ACEH, additional investigation to further evaluate the downgradient extent of impacted groundwater is planned. CRA submitted a *Work Plan Addendum* (dated October 27, 2008) that proposed the drilling of four downgradient borings, the installation of an additional downgradient well, and the drilling of a boring adjacent to a sanitary sewer line beneath Castro Valley Boulevard (Figure 2). However, a response from ACEH to the work plan addendum has not been received. Therefore, as approximately one year has already passed since submission of the work plan, and as communicated to ACEH via an e-mail on September 21, 2009, consent has been assumed and the proposed work is being implemented in order to move the site towards closure in a timely fashion. Chevron is currently trying to obtain access to the offsite properties; however difficulties have been encountered. Upon obtaining access agreements, the proposed scope of work will be implemented. ACEH assistance may be needed if access to these properties cannot be obtained.

CONESTOGA-ROVERS
& ASSOCIATES

October 13, 2009 Reference No. 611633

Please contact Mr. James Kiernan at (916) 889-8917 if you have any questions or require additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Kelly M. Rider

James P. Kiernan, P.E. #C68498

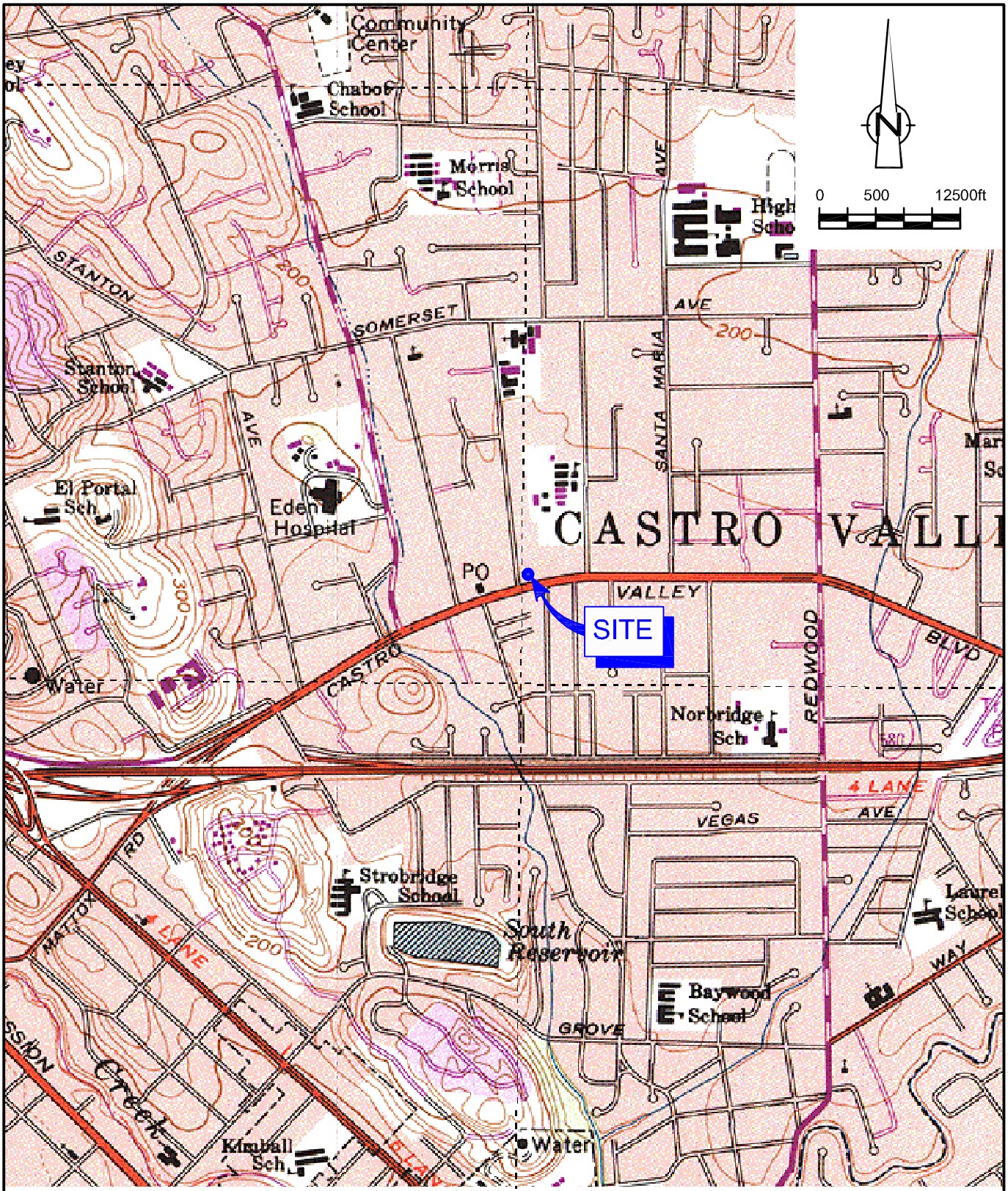
REGISTERED PROFESSIONAL ENGINEER
JAMES P. KIERNAN
No. 68498
Exp. 9/30/11
CIVIL
STATE OF CALIFORNIA

KR/jt/5
Encl.

Figure 1	Vicinity Map
Figure 2	Concentration Map – September 1, 2009
Attachment A	Third Quarter 2009 Groundwater Monitoring and Sampling Report

cc: Ms. Stacie Frerichs, Chevron Environmental Management Company
Mr. Surinder Goswamy, K&K Petroleum, LLC

FIGURES



SOURCE: TOPO! MAPS.

figure 1

VICINITY MAP
CHEVRON SERVICE STATION 9-6991
2920 CASTRO VALLEY BOULEVARD
Castro Valley, California

LEGEND

- MW-1 ● MONITORING WELL LOCATION
- SB-5 ■ SOIL BORING LOCATION
- STM STORM DRAIN
- W WATER LINE
- SAN SANITARY SEWER
- PROPOSED SOIL BORING LOCATION
- PROPOSED MONITORING WELL LOCATION
- PROPOSED HAND AUGER SOIL BORING LOCATION
- (560) TPHd CONCENTRATION (ug/L)
- *(2,900)* TPHg CONCENTRATION (ug/L)
- (<0.5) BENZENE CONCENTRATION (ug/L)
- *(<2.5)* MTBE CONCENTRATION (ug/L)
- (NM) NOT MONITORED
- (SA) SAMPLED ANNUALLY

FORMER SERVICE
STATION SITE
2896 CASTRO VALLEY BLVD.

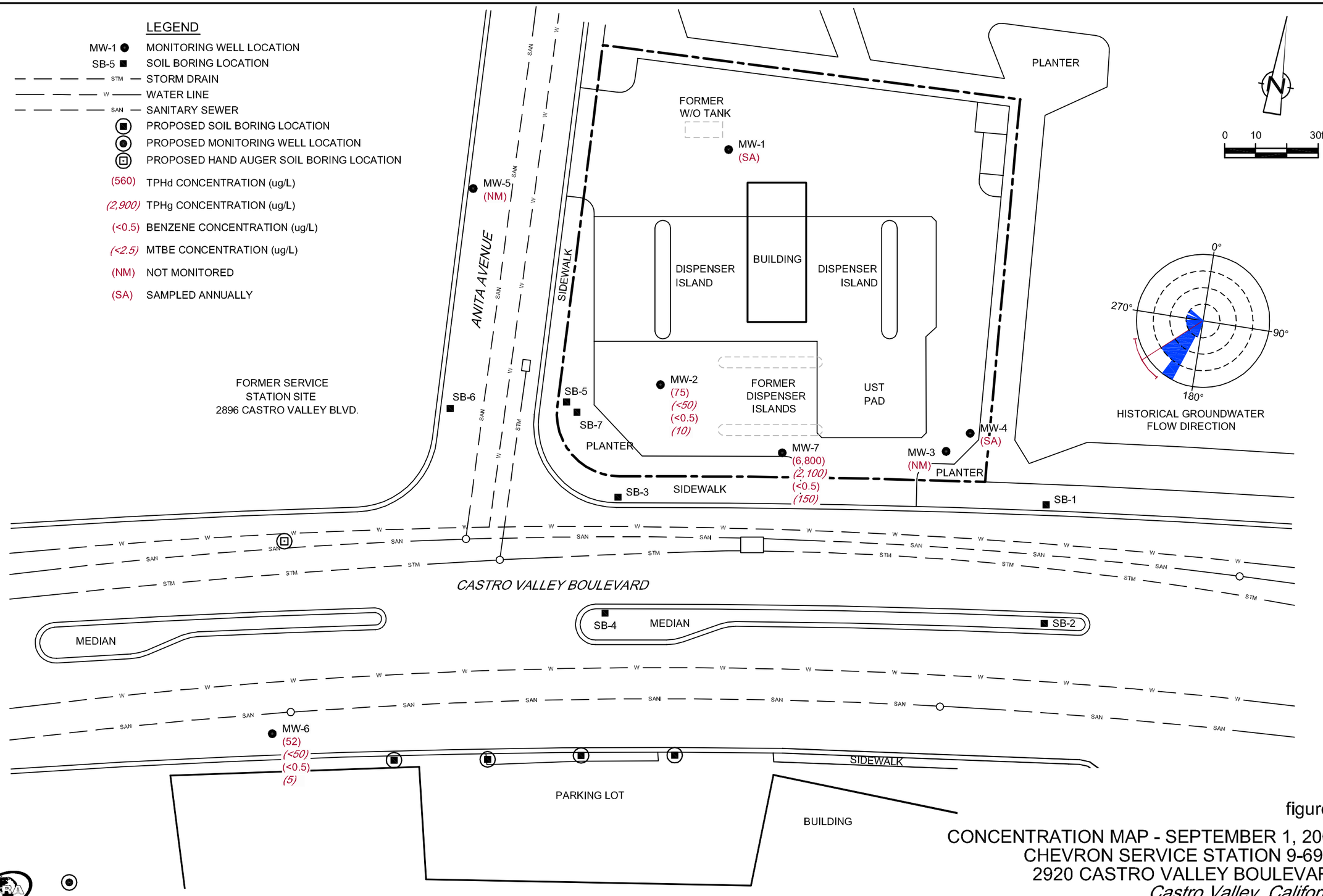


figure 2

CONCENTRATION MAP - SEPTEMBER 1, 2009
CHEVRON SERVICE STATION 9-6991
2920 CASTRO VALLEY BOULEVARD
Castro Valley, California

ATTACHMENT A

THIRD QUARTER 2009 GROUNDWATER MONITORING AND SAMPLING REPORT

GETTLER-RYAN INC.

TRANSMITTAL

September 29, 2009
G-R #385296

TO: Mr. James Kiernan
Conestoga-Rovers & Associates
10969 Trade Center Drive, Suite 107
Rancho Cordova, CA 95670

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: Chevron Service Station
#9-6991 (MTI)
2920 Castro Valley Boulevard
Castro Valley, California
RO 0000475

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	September 23, 2009	Groundwater Monitoring and Sampling Report **Second Semi-Annual Event of September 1, 2009**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced report for **your use and distribution to the following:**

Ms. Stacie H. Frerichs, Chevron Environmental Management Company, 6111 Bollinger Canyon Road, Room 3596, San Ramon, CA 94583

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to ***October 13, 2009,*** at which time this final report will be distributed to the following:

cc: Mr. Chuck Headlee, RWQCB-San Francisco Bay Region, 1515 Clay Street, Oakland, CA 94612 **(No Hard Copy)**
K & K Petroleum, (Property Owner), 2920 Castro Valley Blvd., Castro Valley, CA 94546
Mr. Mark Detterman, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
(No Hard Copy-UPLOAD TO ALAMEDA CO.)

Enclosures

6747 Sierra Court, Suite J • **Dublin**, CA 94568 • (925) 551-7555 • Fax (925) 551-7888
3140 Gold Camp Drive, Suite 170 • **Rancho Cordova**, CA 95670 • (916) 631-1300 • Fax (916) 631-1317
1364 N. McDowell Blvd., Suite B2 • **Petaluma**, CA 94954 • (707) 789-3255 • Fax (707) 789-3218

Chevron

Stacie H. Frerichs
Team Lead
Marketing Business Unit

Chevron Environmental Management Company
6001 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 842-9655
Fax (925) 842-8370

September 29, 2009
(date)

Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Facility # 9-6991

Address: 2920 Castro Valley Blvd., Castro Valley, California

I have reviewed the attached routine groundwater monitoring report dated September 29, 2009.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Gettler-Ryan, Inc., upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,

SH Frerichs

Stacie H. Frerichs
Project Manager

Enclosure: Report

WELL CONDITION STATUS SHEET

Client/Facility #: Chevron #9-6991
Site Address: 2920 Castro Valley Blvd
City: Castro Valley, CA

Job # 385296
Event Date: 9/1/04
Sampler: JH

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M)missing	BOLTS (M) Missing (R) Replaced	Bolt Flanges B= Broken S= Stripped R=Retap	APRON Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y / N	REPLACE CAP Y / N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Yes / No
MW-1	o/c							~	~	8" Morrison	~
MW-2	o/c									"	
MW-4	o/c									12" Univer 1	
MW-6	o/c									12" emco	
MW-7	o/c									12" Univer 1	

Comments

GETTLER-RYAN INC.

September 23, 2009
G-R Job #385296

Ms. Stacie H. Frerichs
Chevron Environmental Management Company
6111 Bollinger Canyon Road, Room 3596
San Ramon, CA 94583

RE: Second Semi-Annual Event of September 1, 2009
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-6991
2920 Castro Valley Boulevard
Castro Valley, California

Dear Ms. Frerichs:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations, and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. The chain of custody document and the laboratory analytical reports are also attached. All groundwater and decontamination water generated during sampling activities was removed from the site, per the Standard Operating Procedure.

Please call if you have any questions or comments regarding this report. Thank you.

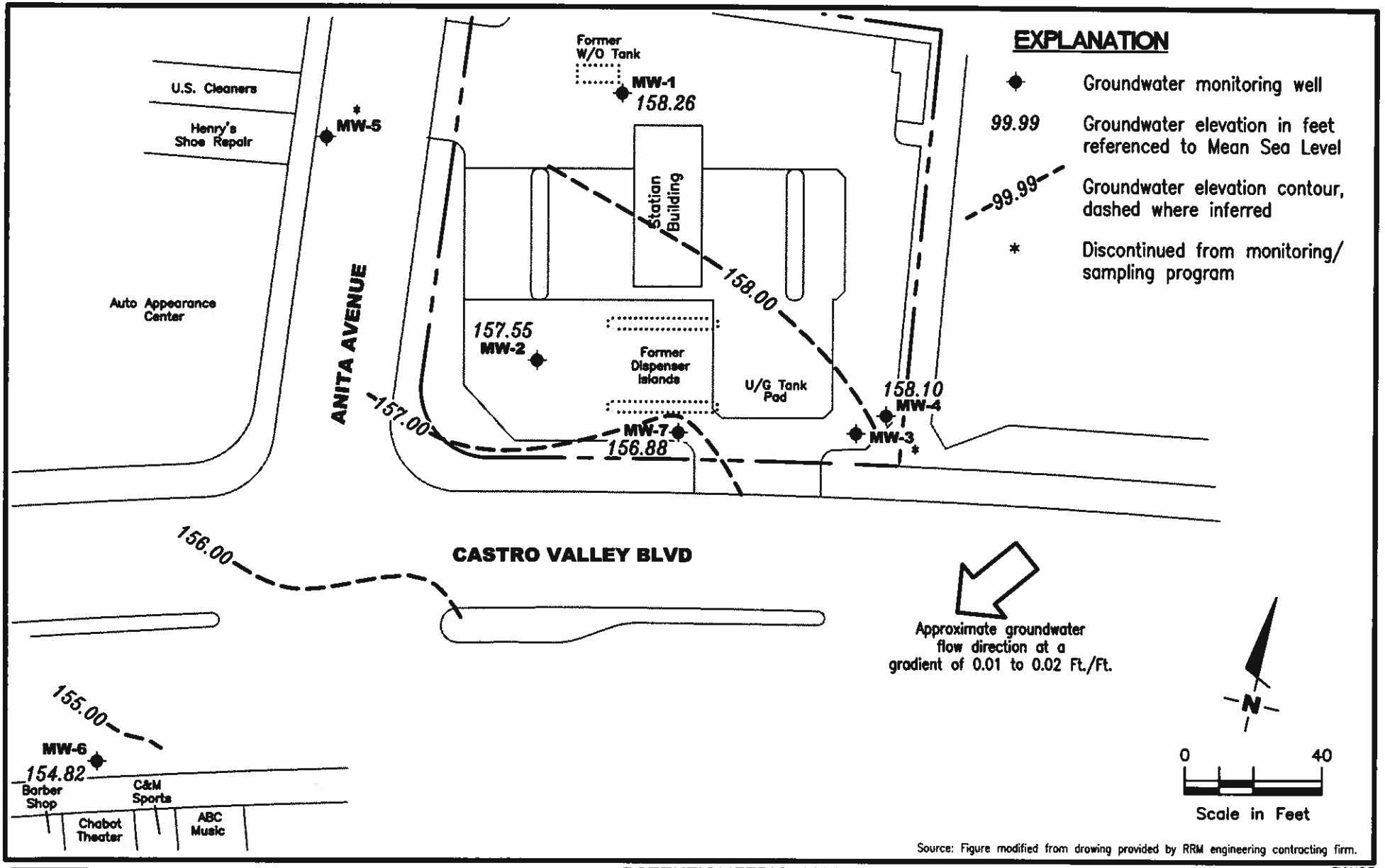
Sincerely,

Deanna L. Harding
Project Coordinator

PROFESSIONAL GEOLOGIST
DOUGLAS J. LEE
No. 6882
STATE OF CALIFORNIA

Douglas J. Lee
Senior Geologist, P.G. No. 6882

Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Field Measurements and Analytical Results
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



Source: Figure modified from drawing provided by RRM engineering contracting firm.

GETTLER - RYAN INC.
6747 Sierra Court, Suite J
Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
Chevron Service Station #9-6991
2920 Castro Valley Boulevard
Castro Valley, California

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
385296		September 1, 2009	

FILE NAME: P:\Enviro\Chevron\9-6991\Q09-9-6991.DWG | Layout Tab: Pot3

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6991

2920 Castro Valley Boulevard

Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
MW-1												
10/08/91	169.30	158.20	11.10	--	230	45	<0.5	0.9	9.1	--	<5,000	--
11/04/91	169.30	158.27	11.03	--	340	120	<0.5	<0.5	6.1	--	--	--
12/04/91	169.30	158.25	11.05	170	<50	3.9	<0.5	<0.5	<0.5	--	<5,000	--
06/05/92	169.30	158.26	11.04	<50	100	26	0.6	0.5	1.0	--	--	--
10/27/92	169.30	158.20	11.10	54	<50	11	<0.5	<0.5	<0.5	--	--	--
12/30/92	169.30	--	--	170	<50	24	<0.5	<0.5	<0.5	--	--	--
01/27/93	169.30	158.67	10.63	--	--	--	--	--	--	--	--	--
03/05/93	169.30	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
03/17/93	169.30	158.59	10.71	--	--	--	--	--	--	--	--	--
06/18/93	169.30	158.29	11.01	<50	<50	0.6	<0.5	<0.5	<1.5	--	--	--
09/28/93	169.30	157.35	11.95	<50	<50	0.8	<0.5	<0.5	<1.5	--	--	--
12/30/93	169.30	158.34	10.96	<50	<50	8.5	<0.5	<0.5	<0.5	--	--	--
04/07/94	169.30	158.49	10.81	<10	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
05/31/94	169.30	158.38	10.92	<50	<50	1.0	<0.5	<0.5	<0.5	--	--	--
09/23/94	169.30	158.40	10.90	<50	<50	1.3	<0.5	<0.5	<0.5	--	--	--
11/30/94	169.30	158.76	10.54	570[2]	<50	8.9	<0.5	<0.5	<0.5	--	--	--
03/30/95	169.30	158.60	10.70	110[1]	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
06/06/95	169.30	158.38	10.92	570[1]	61	15	<0.5	<0.5	<0.5	--	--	--
09/25/95	169.30	158.30	11.00	550[1]	<50	4.7	<0.5	<0.5	<0.5	--	--	--
12/28/95	169.30	158.50	10.80	330[1]	72	9.1	0.65	<0.5	<0.5	6.0	--	--
03/05/96	169.30	159.20	10.10	780[1]	<50	7.8	<0.5	<0.5	<0.5	<2.5	--	--
09/13/96	169.30	158.28	11.02	SAMPLED ANNUALLY		--	--	--	--	--	--	--
12/19/96	169.30	158.08	11.22	--	--	--	--	--	--	--	--	--
03/20/97	169.30	158.40	10.90	350[1]	<50	2.2	<0.5	<0.5	<0.5	<2.5	--	--
06/27/97	169.30	158.27	11.03	--	--	--	--	--	--	--	--	--
09/19/97	169.30	158.34	10.96	--	--	--	--	--	--	--	--	--
12/05/97	169.30	158.62	10.68	--	--	--	--	--	--	--	--	--
03/31/98	169.30	158.67	10.63	760[1]	<50	6.7	<0.5	<0.5	<0.5	<2.5	--	--
06/19/98	169.30	159.62	9.68	--	--	--	--	--	--	--	--	--
08/13/98	169.30	157.67	11.63	--	--	--	--	--	--	--	--	--
12/17/98	169.30	158.25	11.05	--	--	--	--	--	--	--	--	--
03/19/99	169.30	158.35	10.95	890[1]	124	14.8	<0.5	<0.5	<0.5	6.49/<2.5[13]	--	--
06/23/99	169.30	158.23	11.07	--	--	--	--	--	--	--	--	--
09/16/99	169.30	158.41	10.89	--	--	--	--	--	--	--	--	--
12/16/99	169.30	158.46	10.84	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6991

2920 Castro Valley Boulevard

Castro Valley, California

WELL ID/ DATE		TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
MW-1 (cont)													
03/02/00		169.30	158.83	10.47	2,300[1]	155	10.4	<0.5	<0.5	<0.5	10.3	--	--
06/30/00		169.30	159.04	10.26	--	--	--	--	--	--	--	--	--
09/30/00	NP	169.30	158.30	11.00	--	--	--	--	--	--	--	--	--
12/19/00		169.30	158.44	10.86	--	--	--	--	--	--	--	--	--
03/13/01	NP	169.30	158.45	10.85	--[14]	50.4	4.50	0.553	0.522	2.10	1.65	--	--
06/12/01		169.30	158.28	11.02	SAMPLED ANNUALLY		--	--	--	--	--	--	--
09/18/01		169.30	158.23	11.07	SAMPLED ANNUALLY		--	--	--	--	--	--	--
12/17/01		169.30	158.59	10.71	SAMPLED ANNUALLY		--	--	--	--	--	--	--
03/21/02		169.30	158.54	10.76	--[14]	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
06/08/02		169.30	158.33	10.97	SAMPLED ANNUALLY		--	--	--	--	--	--	--
09/13/02		169.30	158.28	11.02	SAMPLED ANNUALLY		--	--	--	--	--	--	--
12/13/02		169.30	158.47	10.83	SAMPLED ANNUALLY		--	--	--	--	--	--	--
03/17/03		169.30	158.60	10.70	250	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
06/16/03		169.30	158.34	10.96	SAMPLED ANNUALLY		--	--	--	--	--	--	--
09/15/03		169.30	158.28	11.02	SAMPLED ANNUALLY		--	--	--	--	--	--	--
12/15/03		169.30	158.71	10.59	SAMPLED ANNUALLY		--	--	--	--	--	--	--
03/01/04		169.30	158.78	10.52	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--
06/28/04		169.30	158.27	11.03	SAMPLED ANNUALLY		--	--	--	--	--	--	--
09/13/04		169.30	156.96	12.34	SAMPLED ANNUALLY		--	--	--	--	--	--	--
12/22/04		169.30	158.38	10.92	SAMPLED ANNUALLY		--	--	--	--	--	--	--
03/04/05		169.30	158.81	10.49	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--
06/30/05		169.30	158.54	10.76	SAMPLED ANNUALLY		--	--	--	--	--	--	--
09/16/05		169.30	158.33	10.97	SAMPLED ANNUALLY		--	--	--	--	--	--	--
12/21/05		169.30	158.70	10.60	--	--	--	--	--	--	--	--	--
03/21/06[16]		169.30	158.93	10.37	1,100	<50	0.6	<0.5	<0.5	<0.5	1	--	<50
06/21/06		169.30	158.37	10.93	SAMPLED ANNUALLY		--	--	--	--	--	--	--
09/05/06		169.30	158.32	10.98	SAMPLED ANNUALLY		--	--	--	--	--	--	--
12/28/06		169.30	157.52	11.78	SAMPLED ANNUALLY		--	--	--	--	--	--	--
03/26/07[16]		169.30	158.39	10.91	730	<50	0.6	<0.5	<0.5	<0.5	<0.5	--	<50
06/26/07		169.30	158.30	11.00	SAMPLED ANNUALLY		--	--	--	--	--	--	--
09/26/07		169.30	158.26	11.04	SAMPLED ANNUALLY		--	--	--	--	--	--	--
12/20/07		169.30	158.66	10.64	SAMPLED ANNUALLY		--	--	--	--	--	--	--
02/29/08[16]	PER	169.30	158.57	10.73	64	87	4	<0.5	<0.5	<0.5	1	--	<50
05/09/08		169.30	158.38	10.92	SAMPLED ANNUALLY		--	--	--	--	--	--	--
09/19/08		169.30	158.28	11.02	SAMPLED ANNUALLY		--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6991

2920 Castro Valley Boulevard

Castro Valley, California

WELL ID/ DATE		TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
MW-1 (cont)													
12/04/08		169.30	158.28	11.02	SAMPLED ANNUALLY		--	--	--	--	--	--	--
03/05/09[16]	PER-NP[23]	169.30	159.10	10.20	77	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	<50
06/23/09		169.30	158.36	10.94	SAMPLED ANNUALLY		--	--	--	--	--	--	--
09/01/09		**169.30**	**158.26**	**11.04**	**SAMPLED ANNUALLY**		--	--	--	--	--	--	--
MW-2													
10/08/91		169.15	157.20	11.95	--	110	5.1	1.1	0.8	26	--	--	--
11/19/91		169.15	157.40	11.75	--	120	11	1.1	<0.5	17	--	--	--
12/04/91		169.15	157.35	11.80	130	440	30	2.5	<0.5	52	--	--	--
06/05/92		169.15	157.35	11.80	130	80	13	<0.5	<0.5	1.0	--	--	--
10/27/92		169.15	157.15	12.00	110	54	13	<0.5	<0.5	<0.5	--	--	--
12/30/92		169.15	--	--	92	180	30	<0.5	<0.5	1.0	--	--	--
01/27/93		169.15	158.24	10.91	--	--	--	--	--	--	--	--	--
03/05/93		169.15	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
03/17/93		169.15	158.26	10.89	--	--	--	--	--	--	--	--	--
06/18/93		169.15	157.41	11.74	<50	<50	1.4	<0.5	<0.5	<1.5	--	--	--
09/28/93		169.15	157.97	11.18	<50	<50	0.6	<0.5	<0.5	<1.5	--	--	--
12/30/93		169.15	158.34	21.00	<50	<50	0.9	<0.5	<0.5	<0.5	--	--	--
04/07/94		169.15	158.40	10.75	<10	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
05/31/94		169.15	158.35	10.80	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/23/94		169.15	157.50	11.65	120	<50	0.7	<0.5	<0.5	<0.5	--	--	--
11/30/94		169.15	158.41	10.74	570[4]	55	2.9	<0.5	1.4	0.94	--	--	--
03/30/95		169.15	158.25	10.90	430[1]	91	4.5	<0.5	3.8	<0.5	--	--	--
06/06/95		169.15	157.73	11.42	410[1]	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/25/95		169.15	157.52	11.63	220[1]	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/28/95		169.15	157.98	11.17	120[1]	<2,000	<20	<20	<20	<20	5,000	--	--
03/05/96		169.15	159.09	10.06	860[1]	<2,000	<20	<20	<20	<20	10,000	--	--
09/13/96		169.15	157.37	11.78	1,300	1,100	25	<10	<10	<10	20,000	--	--
12/19/96		169.15	158.30	10.85	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--
03/20/97		169.15	157.75	11.40	190[1]	2400	<10	<10	46	<10	6,200	--	--
06/27/97		169.15	157.35	11.80	--	--	--	--	--	--	--	--	--
09/19/97		169.15	157.43	11.72	60[1]	<50	<0.5	<0.5	<0.5	<0.5	280	--	--
12/08/97		169.15	158.27	10.88	--	--	--	--	--	--	--	--	--
03/31/98		169.15	158.46	10.69	220[1]	110	30	0.74	0.74	0.59	1,000	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6991

2920 Castro Valley Boulevard

Castro Valley, California

WELL ID/ DATE		TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
MW-2 (cont)													
06/19/98		169.15	159.31	9.84	--	--	--	--	--	--	--	--	--
08/31/98		169.15	157.43	11.72	380[1]	<100	3.4	<1.0	<1.0	<1.0	980	--	--
12/17/98		169.15	157.60	11.55	--	--	--	--	--	--	480	--	--
03/19/99		169.15	158.63	10.52	107[4]	<250	12.7	<2.5	<2.5	<2.5	1,040/819[13]	--	--
06/23/99		169.15	159.61	9.54	--	--	--	--	--	--	--	--	--
09/16/99		169.15	157.54	11.61	84.9	<100	<1.0	<1.0	<1.0	<1.0	216	--	--
12/16/99		169.15	157.86	11.29	--	--	--	--	--	--	--	--	--
03/02/00		169.15	158.70	10.45	<50	84.8	21.5	<0.5	<0.5	0.636	413	--	--
06/30/00		169.15	159.08	10.07	--	--	--	--	--	--	--	--	--
09/30/00	NP	169.15	157.54	11.61	100[11]	<50	<0.50	0.57	<0.50	1.0	2,800	--	--
12/19/00		169.15	158.04	11.11	--	--	--	--	--	--	--	--	--
03/13/01	NP	169.15	158.22	10.93	--[14]	179	11.6	2.01	0.856	3.66	1,290	--	--
06/12/01		169.15	157.52	11.63	--	--	--	--	--	--	--	--	--
09/18/01	NP	169.15	157.37	11.78	100	<50	<0.50	<0.50	<0.50	<1.5	670	--	--
12/17/01		169.15	158.29	10.86	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--
09/13/02		169.15	157.50	11.65	200	<50	<0.50	<0.50	<0.50	<1.5	260	--	--
12/13/02		169.15	158.07	11.08	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--
03/17/03		169.15	158.38	10.77	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--
06/16/03		169.15	157.77	11.38	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--
09/15/03[16,17]		169.15	157.55	11.60	110	<50	<0.5	<0.5	<0.5	0.6	400	--	--
12/15/03		169.15	158.40	10.75	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--
03/01/04		169.15	158.49	10.66	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--
06/28/04		169.15	157.63	11.52	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--
09/13/04		169.15	156.27	12.88	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--
12/22/04		169.15	157.93	11.22	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--
03/04/05		169.15	158.58	10.57	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--
06/30/05		169.15	158.08	11.07	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--
09/16/05[16]	NP	169.15	156.64	12.51	130	<50	<0.5	<0.5	<0.5	<0.5	140	--	<50
12/21/05		169.15	158.41	10.74	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--
03/21/06[16]		169.15	158.74	10.41	72	<50	<0.5	<0.5	<0.5	<0.5	530	--	<50
06/21/06		169.15	157.64	11.51	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--
09/05/06[16]		169.15	157.51	11.64	620	<50	<0.5	<0.5	<0.5	<0.5	150	--	<50
12/28/06		169.15	158.19	10.96	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--
03/26/07[16]		169.15	157.74	11.41	86	<50	<0.5	<0.5	<0.5	<0.5	160	--	<50
06/26/07		169.15	157.60	11.55	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6991

2920 Castro Valley Boulevard

Castro Valley, California

WELL ID/ DATE		TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
MW-2 (cont)													
09/26/07[16]		169.15	157.52	11.63	140	<50	<0.5	<0.5	<0.5	<0.5	69	--	<50
12/20/07		169.15	158.50	10.65	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--
02/29/08[16]	PER	169.15	158.18	10.97	73	<50	<0.5	<0.5	<0.5	<0.5	54	--	<50
05/09/08		169.15	157.74	11.41	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--
09/19/08	PER	169.15	157.48	11.67	120	<50	<0.5	<0.5	<0.5	<0.5	12	--	<50
12/04/08		169.15	157.67	11.48	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--
03/05/09[16]	PER-NP[23]	169.15	158.65	10.50	<50	<50	<0.5	<0.5	<0.5	<0.5	55	--	<50
06/23/09		169.15	157.65	11.50	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--
09/01/09[16]	**PER**	**169.15**	**157.55**	**11.60**	**75**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**10**	--	--
MW-4													
10/27/92		169.18	157.79	11.39	<50	<50	<0.5	0.6	0.5	4.3	--	--	--
12/30/92		169.18	159.05	10.13	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
01/27/93		169.18	160.09	9.09	--	--	--	--	--	--	--	--	--
03/05/93		169.18	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
03/17/93		169.18	159.28	9.90	--	--	--	--	--	--	--	--	--
06/18/93		169.18	158.50	10.68	<50	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
09/28/93		169.18	159.82	9.36	<50	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
12/30/93		169.18	159.91	9.27	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
04/07/94		169.18	160.37	8.81	<10	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
05/31/94		169.18	160.27	8.91	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/23/94		169.18	158.79	10.39	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
11/30/94		169.18	160.08	9.10	58[2]	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
03/30/95		169.18	160.66	8.52	61[1]	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
06/06/95		169.18	158.70	10.48	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/25/95		169.18	158.38	10.80	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/28/95		169.18	159.23	9.95	<50	<50	<0.5	<0.5	<0.5	<0.5	9.9	--	--
12/21/05[16]		169.18	159.65	9.53	76[18]	<50	<0.5	<0.5	<0.5	<0.5	0.7	--	<50
03/21/06[16]		169.18	160.35	8.83	<50	<50	<0.5	<0.5	<0.5	<0.5	0.5	--	<50
06/21/06[16]		169.18	158.55	10.63	<50	<50	<0.5	<0.5	<0.5	<0.5	0.8	--	<50
09/05/06[16]		169.18	158.24	10.94	170	<50	<0.5	<0.5	<0.5	<0.5	1	--	<50
12/28/06[16]		169.18	159.06	10.12	120	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	<50
03/26/07[16]		169.18	158.73	10.45	290	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	<50
06/26/07[16]		169.18	158.22	10.96	<50	<50	<0.5	<0.5	<0.5	<0.5	1	--	<50

Table 1

Groundwater Monitoring Data and Analytical Results

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2920 Castro Valley Boulevard
Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
MW-4 (cont)												
09/26/07[16]	169.18	157.98	11.20	<50	<50	<0.5	<0.5	<0.5	<0.5	0.8	--	<50
12/20/07[16]	169.18	159.01	10.17	62	<50	<0.5	<0.5	<0.5	<0.5	0.5	--	<50
02/29/08[16]	169.18	159.32	9.86	180	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	<50
05/09/08[16]	169.18	158.41	10.77	80	<50	<0.5	<0.5	<0.5	<0.5	0.6	--	<50
09/19/08[16]	169.18	157.97	11.21	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	<50
12/04/08[16]	169.18	158.20	10.98	58	<50	<0.5	<0.5	<0.5	<0.5	0.8	--	<50
03/05/09[16]	169.18	159.36	9.82	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	<50
06/23/09	169.18	158.45	10.73	SAMPLED ANNUALLY		--	--	--	--	--	--	--
09/01/09	**169.18**	**158.10**	**11.08**	**SAMPLED ANNUALLY**		--	--	--	--	--	--	--
MW-6												
10/27/92	166.46	153.92	12.54	<50	600	22	22	24	130	--	--	--
12/30/92	166.46	156.26	10.20	470	1,700	170	16	46	160	--	--	--
01/27/93	166.46	156.44	10.02	--	--	--	--	--	--	--	--	--
03/05/93	166.46	--	--	150	480	76	0.9	3.1	7.1	--	--	--
03/17/93	166.46	155.79	10.67	--	--	--	--	--	--	--	--	--
06/18/93	166.46	154.63	11.83	51	240	37	3.4	2.9	18	--	--	--
09/28/93	166.46	154.90	11.56	120	150	11	1.2	1.3	4.3	--	--	--
12/30/93	166.46	154.81	11.65	290	680	77	5.1	5.5	13	--	--	--
04/07/94	166.46	155.34	11.12	<10	190	24	2.9	1.9	8.0	--	--	--
05/31/94	166.46	--	--	--	--	--	--	--	--	--	--	--
09/23/94	166.46	155.05	11.41	--	--	--	--	--	--	--	--	--
11/30/94	166.46	156.58	9.88	150[2]	320	49	0.58	1.4	1.2	--	--	--
12/15/03[16]	166.46	156.60	9.86	71	210	0.5	0.9	0.7	2	14	--	<50
03/01/04[16,21]	166.46	157.16	9.30	<250	150	<0.5	4	3	18	10	--	<50
06/28/04[16,21]	166.46	155.13	11.33	66	100	<0.5	<0.5	<0.5	<0.5	18	--	--
09/13/04[16,21]	166.46	154.88	11.58	<50	<50	<0.5	<0.5	<0.5	<0.5	17	--	<50
12/22/04[16,21]	166.46	155.75	10.71	300	440	1	1	2	3	10	--	<50
03/04/05[16,21]	166.46	157.25	9.21	75	65	<0.5	<0.5	<0.5	1	8	--	<50
06/30/05[16,21]	166.46	155.49	10.97	73	<50	<0.5	<0.5	<0.5	<0.5	7	--	<50
09/16/05[16,21]	166.46	155.02	11.44	58[17]	<50	<0.5	<0.5	<0.5	<0.5	13	--	<50
12/21/05[16,21]	166.46	156.66	9.80	120[19]	140	<0.5	<0.5	<0.5	1	8	--	<50
03/21/06[16,21]	166.46	157.54	8.92	75	52	<0.5	<0.5	0.9	3	8	--	<50
06/21/06[16,21]	166.46	155.38	11.08	56	92	<0.5	<0.5	0.5	2	10	--	<50

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Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6991

2920 Castro Valley Boulevard

Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
MW-6 (cont)												
09/05/06[16,21]	166.46	155.07	11.39	67	62	<0.5	<0.5	<0.5	<0.5	9	--	<50
12/28/06[16,21]	166.46	156.32	10.14	300	260	<0.5	0.5	<0.5	1	3	--	<50
03/26/07[21]	166.46	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--	--
06/26/07[16]	166.46	155.32	11.14	67	<50	<0.5	<0.5	<0.5	<0.5	8	--	<50
09/26/07[16]	166.46	155.02	11.44	84	180	<0.5	0.5	3	5	6	--	--
12/20/07[16]	166.46	156.41	10.05	220	530	<0.5	0.7	1	7	2	--	--[22]
02/29/08[16]	166.46	156.49	9.97	110	110	<0.5	<0.5	1	4	4	--	<50
05/09/08[16]	166.46	155.19	11.27	100	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	<50
09/19/08[16]	166.46	154.85	11.61	<50	<50	<0.5	<0.5	<0.5	<0.5	5	--	<50
12/04/08[16]	166.46	155.08	11.38	<50	<50	<0.5	<0.5	<0.5	<0.5	5	--	<50
03/05/09[16]	166.46	157.57	8.89	140	160	<0.5	<0.5	1	7	2	--	<50
06/23/09	166.46	155.14	11.32	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--
09/01/09[16]	**166.46**	**154.82**	**11.64**	**52**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**5**	--	--
MW-7												
09/25/95	168.80	157.20	11.60	1,400[1]	220	0.79	<0.5	0.67	<0.5	--	--	--
12/28/95	168.80	158.14	10.66	590[1]	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
03/05/96	168.80	159.74	9.06	320[1]	1,400	<10	<10	47	<10	5,300	--	--
06/27/96	168.80	157.27	11.53	630[1]	<2,500	<25	<25	<25	<25	14,000	--	--
09/13/96	168.80	156.88	11.92	1,400	1,100	26	<10	24	<10	20,000	--	--
12/19/96	168.80	158.29	10.51	1,100[3]	<5,000	<50	<50	<50	<50	12,000	--	--
03/20/97	168.80	157.84	10.96	1,600[3]	<1,000	<10	<10	<10	<10	2,100/2,000[13]	--	--
06/27/97	168.80	157.02	11.78	1,600[1]	2,000	<20	<20	<20	<20	11,000	--	--
09/19/97	168.80	156.87	11.93	1,900[1]	<1,000	35	<10	<10	<10	13,000	--	--
12/05/97	168.80	158.40	10.40	1,100[1]	2,100	47	2.7	28	<2.5	15,000	--	--
03/31/98	168.80	158.89	9.91	780[1]	410	4.0	0.61	2.2	<0.5	<2.5	--	--
06/19/98	168.80	159.09	9.71	480[1]	1,100	16	<10	17	<10	12,000	--	--
08/31/98	168.80	157.11	11.69	580[1]	<500	350	22	<5.0	<5.0	47,000	--	--
12/17/98	168.80	157.70	11.10	970	1,800	<10	<10	24	<10	13,000/14,000[1;	--	--
03/19/99	168.80	158.51	10.29	615[1]	1,280	<5.0	5.0	16.3	<5.0	2,240/2,910[13]	--	--
06/23/99	168.80	157.25	11.55	1,240[1]	<5,000	<50	<50	<50	<50	18,000	--	--
09/16/99	168.80	157.31	11.49	2,230	<5,000	<50	<50	<50	<50	13,700	--	--
12/16/99	168.80	158.27	10.53	973[1]	1,330	<1.0	6.44	14	5.17	10,800	--	--
03/02/00	168.80	159.25	9.55	880[1]	1,980	7.22	<5.0	6.11	<5.0	4,230	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6991

2920 Castro Valley Boulevard

Castro Valley, California

WELL ID/ DATE		TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
MW-7 (cont)													
06/30/00		168.80	157.68	11.12	620[7]	2,500[6]	6.0	8.5	16	72	6,900	--	--
09/30/00	NP	168.80	157.23	11.57	1,600[7]	1,700[10]	750	<5.0	<5.0	<5.0	7,300	--	--
12/19/00		168.80	158.26	10.54	1,100[12]	1,800[10]	<10	<10	<10	<10	4,900	--	--
03/13/01		168.80	158.74	10.06	1,500[12]	1,470	9.34	5.09	6.08	2.69	2,920	--	--
06/12/01		168.80	157.45	11.35	910[15]	920[10]	260	4.2	9.7	2.8	4,500	--	--
09/18/01		168.80	156.87	11.93	3,000	2,000	<0.50	<0.50	<0.50	<1.5	5,300	--	--
12/17/01		168.80	157.99	10.81	7,000	1,700	<5.0	<0.50	7.1	<1.5	4,100	--	--
03/21/02		168.80	158.56	10.24	13,000	3,200	<5.0	<0.50	24	<1.5	980	--	--
06/08/02		168.80	157.32	11.48	3,500	1,500	3.6	<0.50	8.5	<1.5	2,800	--	--
09/13/02		168.80	157.02	11.78	2,400	1,200	1.8	<1.0	2.8	<1.5	3,300	--	--
12/13/02		168.80	157.97	10.83	3,400	1,100	2.4	<0.50	2.3	<1.5	2,000	--	--
03/17/03		168.80	158.71	10.09	3,700	1,600	<10	<0.50	5.1	<1.5	1,000	--	--
06/16/03[16]		168.80	157.81	10.99	4,400	2,500	1	0.5	14	<0.5	260	--	--
09/15/03[16]		168.80	157.38	11.42	4,700	1,700	1	<0.5	6	0.5	790	--	<50
12/15/03[16]		168.80	158.58	10.22	3,200	610	<0.5	<0.5	1	<0.5	780	--	<50
03/01/04[16]		168.80	159.19	9.61	2,200	1,500	<0.5	<0.5	4	<0.5	16	--	<50
06/28/04[16]		168.80	157.38	11.42	3,700	2,500	2	<0.5	8	<0.5	300	--	--
09/13/04[16]		168.80	156.78	12.02	2,000	2,000	1	<1	4	<1	700	--	<100
12/22/04[16]		168.80	158.39	10.41	1,300	970	0.8	<0.5	5	<0.5	370	--	<50
03/04/05[16]		168.80	159.12	9.68	890	790	<0.5	<0.5	1	<0.5	5	--	<50
06/30/05[16]		168.80	157.63	11.17	2,600	1,300	<0.5	<0.5	3	<0.5	68	--	<50
09/16/05[16]		168.80	157.29	11.51	1,300	1,200	<0.5	<0.5	1	<0.5	380	--	<50
12/21/05[16]		168.80	158.74	10.06	1,600[20]	1,300	<0.5	<0.5	2	<0.5	170	--	<50
03/21/06[16]		168.80	159.28	9.52	2,800	810	<0.5	<0.5	<0.5	<0.5	200	--	<50
06/21/06[16]		168.80	157.35	11.45	1,100	1,800	0.5	<0.5	2	<0.5	260	--	<50
09/05/06[16]		168.80	157.01	11.79	2,100	910	<0.5	<0.5	<0.5	<0.5	370	--	<50
12/28/06[16]		168.80	158.34	10.46	7,200	2,700	0.5	<0.5	3	<0.5	140	--	<50
03/26/07[16]		168.80	157.46	11.34	6,500	1,300	<0.5	<0.5	1	<0.5	150	--	<50
06/26/07[16]		168.80	157.15	11.65	2,100	1,900	0.6	<0.5	2	<0.5	170	--	<50
09/26/07[16]		168.80	156.98	11.82	2,200	670	<0.5	<0.5	<0.5	<0.5	420	--	<50
12/20/07[16]		168.80	158.23	10.57	4,300	2,600	0.8	<0.5	4	<0.5	130	--	<50
02/29/08[16]		168.80	158.56	10.24	2,400	1,400	<0.5	<0.5	2	<0.5	35	--	<50
05/09/08[16]		168.80	157.27	11.53	1,700	2,200	0.6	0.6	2	<0.5	76	--	<50
09/19/08[16]		168.80	156.86	11.94	10,000	610	<0.5	<0.5	<0.5	<0.5	430	--	<50
12/04/08[16]		168.80	157.16	11.64	3,000	1,100	<0.5	<0.5	<0.5	<0.5	440	--	<50

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6991
2920 Castro Valley Boulevard
Castro Valley, California

WELL ID/ DATE		TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
MW-7 (cont)													
03/05/09[16]		168.80	159.46	9.34	1,000	2,100	<0.5	<0.5	3	<0.5	57	--	<50
06/23/09[16]		168.80	157.41	11.39	2,300	1,800	<0.5	<0.5	1	<0.5	100	--	--
09/01/09[16]		**168.80**	**156.88**	**11.92**	**6,800**	**2,100**	**<0.5**	**<0.5**	**1**	**<0.5**	**150**	--	--
MW-3													
10/08/91		169.11	160.84	8.27	--	81	1.9	0.7	0.8	2.4	--	--	--
11/04/91		169.11	158.26	10.85	--	60	<0.5	<0.5	<0.5	<0.5	--	--	--
12/04/91		169.11	158.06	11.05	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
06/05/92		169.11	157.96	11.15	170	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
10/27/92		169.11	157.51	11.60	120	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/30/92		169.11	--	--	170	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
01/27/93		169.11	160.00	9.11	--	--	--	--	--	--	--	--	--
03/05/93		169.11	--	--	--	--	--	--	--	--	--	--	--
03/17/93		169.11	159.16	9.95	--	--	--	--	--	--	--	--	--
06/18/93		169.11	158.22	10.89	<50	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
09/28/93		169.11	159.49	9.62	<50	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
12/30/93		169.11	159.80	9.31	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
04/07/94		169.11	160.30	8.81	<10	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
05/31/94		169.11	160.21	8.90	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/23/94		169.11	158.48	10.63	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
11/30/94		169.11	160.19	8.92	--	--	--	--	--	--	--	--	--
03/30/95		169.11	160.01	9.10	290[1]	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
06/06/95		169.11	158.79	10.32	150[1]	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/25/95		169.11	158.11	11.00	260[1]	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/28/95		169.11	158.96	10.15	200[1]	<250	<2.5	<2.5	<2.5	<2.5	1,400	--	--
12/17/98		169.11	158.86	10.25	130[1]	<250	<2.5	<2.5	<2.5	<2.5	62,000	--	--
03/19/99		169.11	159.37	9.74	139[1]	<1,000	<10	<10	<10	<10	5,650/5,850[13]	--	--
06/23/99		169.11	158.40	10.71	61.6[1]	<2,000	<20	<20	<20	<20	6,700	--	--
09/16/99		169.11	157.44	11.67	122	<1,000	<10	<10	<10	<10	1,910	--	--
12/16/99		169.11	158.79	10.32	--	--	--	--	--	--	5,850	--	--
12/20/00		169.11	158.91	10.20	96.8[1]	65.2	<0.5	<0.5	<0.5	<0.5	1,790	--	--
03/02/00		169.11	160.26	8.85	<50	<50	<0.5	<0.5	<0.5	<0.5	5,600	--	--
06/30/00		169.11	158.81	10.30	<50	360[5]	<0.50	<0.50	<0.50	<0.50	1,300	--	--
09/30/00	NP	169.11	158.07	11.04	--	150[9]	75	<1.3	<1.3	<1.3	8,200	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6991
2920 Castro Valley Boulevard
Castro Valley, California

WELL ID/ DATE		TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
MW-3 (cont)													
12/19/00	NP	169.11	159.06	10.05	--[14]	<1,000	<10	<10	<10	<10	4,600	--	--
03/13/01	NP	169.11	159.76	9.35	--[14]	284	0.601	1.00	<0.500	1.27	3,670	--	--
06/12/01	NP	169.11	158.08	11.03	<50	140[9]	67	<0.50	<0.50	<0.50	2,600	--	--
09/18/01	NP	169.11	157.96	11.15	100	240	<0.50	<0.50	<0.50	<1.5	3,200	--	--
12/17/01		169.11	159.22	9.89	270	55	<0.50	<0.50	<0.50	<1.5	930	--	--
03/21/02		169.11	159.38	9.73	290	190	<0.50	<0.50	<0.50	<1.5	2,600	--	--
06/08/02		169.11	158.21	10.90	110	110	<0.50	<0.50	<0.50	<1.5	2,200	--	--
09/13/02		169.11	158.26	10.85	<50	<50	<0.50	<0.50	<0.50	<1.5	650	--	--
12/13/02		169.11	159.11	10.00	120	<50	<0.50	<0.50	<0.50	<1.5	450	--	--
03/17/03		169.11	159.66	9.45	370	80	<0.50	<0.50	<0.50	<1.5	1,600	--	--
06/16/03		169.11	158.98	10.13	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--
09/15/03		169.11	157.85	11.26	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--
12/15/03[16]		169.11	159.78	9.33	--[14]	<50	<0.5	3	0.6	4	220	--	<50
03/01/04		169.11	159.22	9.89	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--
06/28/04[16]		169.11	158.26	10.85	95	<50	<0.5	<0.5	<0.5	<0.5	980	--	--
09/13/04		169.11	DRY AT 12.96 FEET		--	--	--	--	--	--	--	--	--
12/22/04[16]	NP	169.11	159.14	9.97	--[14]	53	<0.5	<0.5	<0.5	<0.5	110	--	<50
03/04/05[16]	NP	169.11	159.68	9.43	<50	<50	<0.5	<0.5	<0.5	<0.5	460	--	<50
06/30/05[16]	NP	169.11	158.66	10.45	58[17]	<50	<0.5	<0.5	<0.5	<0.5	600	--	<50
09/16/05[16]	NP	169.11	158.26	10.85	--[14]	<50	<0.5	<0.5	<0.5	<0.5	530	--	<50
NOT MONITORED/SAMPLED													
MW-5													
10/27/92		167.41	157.46	9.95	<50	74	<0.5	<0.5	0.6	7.1	--	--	--
12/30/92		167.41	158.21	9.20	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
01/27/93		167.41	157.80	9.61	--	--	--	--	--	--	--	--	--
03/05/93		167.41	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
03/17/93		167.41	157.90	9.51	--	--	--	--	--	--	--	--	--
06/18/93		167.41	157.56	9.85	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/28/93		167.41	157.55	9.86	<50	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
12/30/93		167.41	157.08	10.33	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
04/07/94		167.41	157.69	9.72	<10	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
05/31/94		167.41	157.68	9.73	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/23/94		167.41	157.56	9.85	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
11/30/94		167.41	157.73	9.68	79[2]	<50	<0.5	<0.5	<0.5	<0.5	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6991

2920 Castro Valley Boulevard

Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
MW-5 (cont)												
03/30/95	167.41	157.79	9.62	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
06/06/95	167.41	157.55	9.86	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/25/95	167.41	157.56	9.85	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/28/95	167.41	157.67	9.74	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
NOT MONITORED/SAMPLED												
TRIP BLANK												
10/08/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
11/04/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/04/91	--	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
06/05/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/30/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
01/27/93	--	--	--	<50	--	--	--	--	--	--	--	--
03/05/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
03/17/93	--	--	--	--	--	--	--	--	--	--	--	--
06/18/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
09/28/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/30/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
04/07/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
05/31/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/23/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
11/30/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
03/30/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
06/06/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/25/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/28/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
03/05/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
06/27/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/13/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/19/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
03/20/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
06/27/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
09/19/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
12/05/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--

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Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6991
2920 Castro Valley Boulevard
Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
TRIP BLANK (cont)												
03/31/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
06/19/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
08/31/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
03/19/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--	--
09/16/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
12/16/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
12/20/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
03/02/00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
06/30/00[8]	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
09/30/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
12/19/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
03/13/01	--	--	--	--	<50.0	<0.500	0.534	<0.500	1.25	<0.500	--	--
06/12/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
09/18/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
QA												
12/17/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
03/21/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
06/08/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
09/13/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
12/13/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
03/17/03	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
06/16/03[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
09/15/03[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
12/15/03[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
03/01/04[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
06/28/04[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
09/13/04[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
12/22/04[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
03/04/05[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
06/30/05[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
09/16/05[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
12/21/05[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
03/21/06[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
06/21/06[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
09/05/06[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6991

2920 Castro Valley Boulevard

Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
QA (cont)												
12/28/06[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
03/26/07[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
06/26/07[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
09/26/07[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
12/20/07[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
02/29/08[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
05/09/08[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
09/19/08[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
12/04/08[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
03/05/09[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
06/23/09[16]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
09/01/09[16]	--	--	--	--	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6991

2920 Castro Valley Boulevard

Castro Valley, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to June 30, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing
(ft.) = Feet
GWE = Groundwater Elevation
(msl) = Mean sea level
DTW = Depth to Water
TPH = Total Petroleum Hydrocarbons
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
TPH-D = Total Petroleum Hydrocarbons as Diesel
TOG = Total Oil and Grease
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl Tertiary Butyl Ether
(µg/L) = Micrograms per liter
-- = Not Measured/Not Analyzed
NP = No Purge
PER = Peristaltic Pump
QA = Quality Assurance/Trip Blank

1 Chromatogram pattern indicates an unidentified hydrocarbon.
2 Chromatogram pattern indicates a non-diesel mix.
3 Chromatogram pattern indicates an unidentified hydrocarbon and weathered diesel.
4 Chromatogram pattern indicates a non-diesel mix + discrete peaks.
5 Laboratory report indicates unidentified hydrocarbons C6-C12.
6 Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons C6-C12.
7 Laboratory report indicates unidentified hydrocarbons C9-C24.
8 Laboratory report indicates this sample was analyzed outside of the EPA recommended holding time.
9 Laboratory report indicates discrete peaks.
10 Laboratory report indicates gasoline C6-C12.
11 Laboratory report indicates unidentified hydrocarbons >C16.
12 Laboratory report indicates diesel C9-C24 + unidentified hydrocarbons <C16.
13 Confirmation run.
14 Insufficient water to obtain sample for TPH-D.
15 Laboratory report indicates unidentified hydrocarbons C9-C17.
16 BTEX and MTBE by EPA Method 8260.
17 Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. The reported result is due to individual peak(s) eluting in the DRO range.
18 Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range later than #2 fuel and contains individual peaks eluting in the DRO range.
19 Laboratory report indicates the observed sample pattern includes #2 fuel/diesel, an additional pattern which elutes later in the DRO range, and individual peaks eluting in the DRO range.
20 Laboratory report indicates the observed sample pattern includes #2 fuel/diesel and additional patterns which elute earlier and later in the DRO range.
21 Incorrect TOC elevation (168.80) was used in past reports. Correct TOC and GWE are shown.
22 Analysis inadvertently missed in the field.
23 No Purge due to insufficient water.

Table 2

Field Measurements and Analytical Results

Chevron Service Station #9-6991

2920 Castro Valley Boulevard

Castro Valley, California

WELL ID	DATE	D.O. (mg/L)	ORP (mV)	ALKALINITY (ug/L)	SULFATE (ug/L)	NITRATE as NITROGEN (ug/L)	FERROUS IRON (ug/L)
MW-1	12/21/05	3.7	151	581,000	184,000	6,400	29
	03/21/06	4.7	32	546,000	147,000	5,800	600
	06/21/06	SAMPLED ANNUALLY		--	--	--	--
	09/05/06	SAMPLED ANNUALLY		--	--	--	--
	12/28/06	SAMPLED ANNUALLY		--	--	--	--
	03/26/07	3.4	47	844,000[3]	112,000	3,600	22,400
	02/29/08	2.6	153	[1]<460/584,000[2]	158,000	4,500	730
MW-4	12/21/05	1.4	89	396,000	137,000	2,300	<8.0
	03/21/06	3.0	82	407,000	139,000	2,200	<8.0
	06/21/06	0.3	86	[1]710/403,000[2]	136,000	2,700	12
	09/05/06	2.1	106	[1]<460/412,000[2]	147,000	2,700	210
	12/28/06	1.1	114	[1]<460/396,000[2]	175,000	2,500	<8.0
	03/26/07	1.2	188	393,000[3]	151,000	1,800	190
	06/26/07	1.9	31	392,000	179,000	2,900	<8.0
	09/26/07	2.3	110	[1]<460/412,000[2]	182,000	1,600	<8.0
	12/20/07	2.1	76	[1]<460/402,000[2]	169,000	1,400	<8.0
	02/29/08	1.6	88	[1]<460/396,000[2]	193,000	1,500	15
	05/09/08	1.1	77	[1]<460/399,000[2]	165,000	1,500	23
	09/19/08	1.7	43	[1]<460/420,000[2]	167,000	2,500	<8.0
MW-7	12/21/05	1.4	53	475,000	2,700	<400	820
	03/21/06	2.5	12	439,000	3,800	<400	3,800
	06/21/06	0.1	-62	[1]1,400/480,000[2]	1,600	<250	5,000
	09/05/06	1.2	-23	[1]<460/419,000[2]	1,700	<250	3,500
	12/28/06	0.80	-36	[1]<460/498,000[2]	2,100	<250	1,000
	03/26/07	1.1	-24	490,000[3]	2,000	<250	2,200
	06/26/07	1.0	-72	426,000	1,800	<250	4,700
	09/26/07	.90	26	[1]<460/423,000[2]	2,400	<250	3,800
	12/20/07	1.3	-8	[1]<460/539,000[2]	3,200	<250	910
	02/29/08	1.2	80	[1]<460/510,000[2]	8,100	<250	690
	05/09/08	1.0	65	[1]<460/157,000[2]	2,700	<250	1,800
	09/19/08	1.7	25	[1]<460/403,000[2]	8,100	<250	8,000

Table 2

Field Measurements and Analytical Results

Chevron Service Station #9-6991

2920 Castro Valley Boulevard

Castro Valley, California

WELL ID	DATE	D.O. (mg/L)	ORP (mV)	ALKALINITY (ug/L)	SULFATE (ug/L)	NITRATE as NITROGEN (ug/L)	FERROUS IRON (ug/L)
MW-1	12/21/05	3.7	151	581,000	184,000	6,400	29
	03/21/06	4.7	32	546,000	147,000	5,800	600
	06/21/06	SAMPLED ANNUALLY		--	--	--	--
	09/05/06	SAMPLED ANNUALLY		--	--	--	--
	12/28/06	SAMPLED ANNUALLY		--	--	--	--
	03/26/07	3.4	47	844,000[3]	112,000	3,600	22,400
	02/29/08	2.6	153	[1]<460/584,000[2]	158,000	4,500	730
MW-4	12/21/05	1.4	89	396,000	137,000	2,300	<8.0
	03/21/06	3.0	82	407,000	139,000	2,200	<8.0
	06/21/06	0.3	86	[1]710/403,000[2]	136,000	2,700	12
	09/05/06	2.1	106	[1]<460/412,000[2]	147,000	2,700	210
	12/28/06	1.1	114	[1]<460/396,000[2]	175,000	2,500	<8.0
	03/26/07	1.2	188	393,000[3]	151,000	1,800	190
	06/26/07	1.9	31	392,000	179,000	2,900	<8.0
	09/26/07	2.3	110	[1]<460/412,000[2]	182,000	1,600	<8.0
	12/20/07	2.1	76	[1]<460/402,000[2]	169,000	1,400	<8.0
	02/29/08	1.6	88	[1]<460/396,000[2]	193,000	1,500	15
	05/09/08	1.1	77	[1]<460/399,000[2]	165,000	1,500	23
	09/19/08	1.7	43	[1]<460/420,000[2]	167,000	2,500	<8.0
MW-7	12/21/05	1.4	53	475,000	2,700	<400	820
	03/21/06	2.5	12	439,000	3,800	<400	3,800
	06/21/06	0.1	-62	[1]1,400/480,000[2]	1,600	<250	5,000
	09/05/06	1.2	-23	[1]<460/419,000[2]	1,700	<250	3,500
	12/28/06	0.80	-36	[1]<460/498,000[2]	2,100	<250	1,000
	03/26/07	1.1	-24	490,000[3]	2,000	<250	2,200
	06/26/07	1.0	-72	426,000	1,800	<250	4,700
	09/26/07	.90	26	[1]<460/423,000[2]	2,400	<250	3,800
	12/20/07	1.3	-8	[1]<460/539,000[2]	3,200	<250	910
	02/29/08	1.2	80	[1]<460/510,000[2]	8,100	<250	690
	05/09/08	1.0	65	[1]<460/157,000[2]	2,700	<250	1,800
	09/19/08	1.7	25	[1]<460/403,000[2]	8,100	<250	8,000

Table 2

Field Measurements and Analytical Results

Chevron Service Station #9-6991

2920 Castro Valley Boulevard

Castro Valley, California

EXPLANATIONS:

D.O. = Dissolved Oxygen
(mg/L) = milligrams per liter
ORP = Oxidation Reduction Potential
(mV) = millivolts
-- = Not Analyzed
(µg/L) = Micrograms per liter

[1] pH 8.3.
[2] pH 4.5.
[3] Laboratory report indicates this sample was analyzed past the 14-day hold time.

ANALYTICAL METHODS:

Alkalinity by EPA Method SM20 2320 B for Alkalinity to pH 8.3
Alkalinity by EPA Method SM20 2320 B for Alkalinity to pH 4.5
Sulfate by EPA Method 300.0
Nitrate as Nitrogen by EPA Method 300.00
Ferrous Iron by EPA Method SM20 3500-Fe B

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

After water levels are collected and prior to sampling, if purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron Environmental Management Company, the purge water and decontamination water generated during sampling activities is transported by IWM to Chemical Waste Management located in Kettleman Hills, California.

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #9-6991 | Job Number: 385296
Site Address: 2920 Castro Valley Blvd | Event Date: 9/1/09 (inclusive)
City: Castro Valley, CA | Sampler: JH

Well ID: MW- 1 | Date Monitored: 9/1/09
Well Diameter: (3/4) / 2 in.
Total Depth: 17.70 ft.
Depth to Water: 11.04 ft.

Volume Factor (VF)	3/4"= 0.02	t"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	t2"= 5.80

☐ Check if water column is less then 0.50 ft.

6.66 xVF ___ = ___ x3 case volume = Estimated Purge Volume: ___ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ___

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: ___ (2400 hrs)
Time Completed: ___ (2400 hrs)
Depth to Product: ___ ft
Depth to Water: ___ ft
Hydrocarbon Thickness: ___ ft
Visual Confirmation/Description: ___
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ___ gal
Amt Removed from Well: ___ gal
Water Removed: ___
Product Transferred to: ___

Start Time (purge): ___ | Weather Conditions: ___
Sample Time/Date: ___ / ___ | Water Color: ___ | Odor: Y / N
Approx. Flow Rate: ___ gpm. | Sediment Description: ___
Did well de-water? ___ If yes, Time: ___ Volume: ___ gal. DTW @ Sampling: ___

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	x 500ml ambers	YES	NO	LANCASTER	TPH-DRO (8015)

COMMENTS: ___

Add/Replaced Lock: ___ Add/Replaced Plug: ___ Add/Replaced Bolt: ___

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-6991 Job Number: 385296
Site Address: 2920 Castro Valley Blvd Event Date: 9/1/09 (inclusive)
City: Castro Valley, CA Sampler: JH

Well ID MW-2
Well Diameter 3/4/1 2 in.
Total Depth 14.70 ft.
Depth to Water 11.60 ft.
3.10 xVF .02 = .06 x3 case volume = Estimated Purge Volume: .18 gal.

Date Monitored: 9/1/09

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.24

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump X
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer X
Pressure Bailer
Discrete Bailer
Peristaltic Pump X
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1330 Weather Conditions: Clear
Sample Time/Date: 1400 / 9/1/09 Water Color: Clear Odor: Y / (N)
Approx. Flow Rate: - gpm. Sediment Description: Lt. Brn
Did well de-water? N If yes, Time: Volume: gal. DTW @ Sampling: 12.24

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (S))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1332	.6	7.81	692	24.2		
1334	.12	7.55	705	24.1		
1336	.18	7.43	711	24.1		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	2 x 500ml ambers	YES	NO	LANCASTER	TPH-DRO (8015)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-6991 | Job Number: 385296
Site Address: 2920 Castro Valley Blvd | Event Date: 9/1/05 (inclusive)
City: Castro Valley, CA | Sampler: SH

Well ID: MW-4
Well Diameter: 3/4 1(2) in.
Total Depth: 19.73 ft.
Depth to Water: 11.08 ft.
8.65 xVF ___ = ___

Date Monitored: 9/1/05

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

x3 case volume = Estimated Purge Volume: ___ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ___

Purge Equipment:
- Disposable Bailer
- Stainless Steel Bailer
- Stack Pump
- Suction Pump
- Grundfos
- Peristaltic Pump ✓
- QED Bladder Pump
- Other:

Sampling Equipment:
- Disposable Bailer
- Pressure Bailer
- Discrete Bailer
- Peristaltic Pump
- QED Bladder Pump ✓
- Other:

Time Started: ___ (2400 hrs)
Time Completed: ___ (2400 hrs)
Depth to Product: ___ ft
Depth to Water: ___ ft
Hydrocarbon Thickness: ___ ft
Visual Confirmation/Description: ___
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ___ gal
Amt Removed from Well: ___ gal
Water Removed: ___
Product Transferred to: ___

Start Time (purge): ___ Weather Conditions: ___
Sample Time/Date: / Water Color: ___ Odor: Y / N
Approx. Flow Rate: ___ gpm. Sediment Description: ___
Did well de-water? ___ If yes, Time: ___ Volume: ___ gal. DTW @ Sampling: ___

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	x 500ml ambers	YES	NO	LANCASTER	TPH-DRO (8015)

COMMENTS: MLO

Add/Replaced Lock: ___ Add/Replaced Plug: ___ Add/Replaced Bolt: ___

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-6991 | Job Number: 385296
Site Address: 2920 Castro Valley Blvd | Event Date: 9/1/09 (inclusive)
City: Castro Valley, CA | Sampler: JH

Well ID: MW-6 | Date Monitored: 9/1/09
Well Diameter: 3/4 (2) in.
Total Depth: 23.37 ft.
Depth to Water: 11.64 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

11.73 xVF .17 = 1.99 x3 case volume = Estimated Purge Volume: 5.98 gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.98

Purge Equipment:
Disposable Bailer: X
Stainless Steel Bailer:
Stack Pump:
Suction Pump:
Grundfos:
Peristaltic Pump:
QED Bladder Pump:
Other:

Sampling Equipment:
Disposable Bailer: X
Pressure Bailer:
Discrete Bailer:
Peristaltic Pump:
QED Bladder Pump:
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1435 | Weather Conditions: clear
Sample Time/Date: 1510 / 9/1/09 | Water Color: cloudy | Odor: Y / (N)
Approx. Flow Rate: — gpm. | Sediment Description: L, HT
Did well de-water? No If yes, Time: Volume: gal. DTW @ Sampling: 13.70

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (µS))	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)
1440	2	7.45	891	24.8		
1445	4	7.32	944	24.2		
1450	6	7.20	963	24.1		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	2 x 500ml ambers	YES	NO	LANCASTER	TPH-DRO (8015)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-6991 | Job Number: 385296
Site Address: 2920 Castro Valley Blvd | Event Date: 9/1/09 (inclusive)
City: Castro Valley, CA | Sampler: JH

Well ID: MW-7 | Date Monitored: 9/1/09
Well Diameter: 3/4 (2) in.
Total Depth: 19.72 ft.
Depth to Water: 11.92 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

7.80 xVF .17 = 1.32 x3 case volume = Estimated Purge Volume: 3.97 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.48

Purge Equipment:
Disposable Bailer: X
Stainless Steel Bailer:
Stack Pump:
Suction Pump:
Grundfos:
Peristaltic Pump:
QED Bladder Pump:
Other:

Sampling Equipment:
Disposable Bailer: X
Pressure Bailer:
Discrete Bailer:
Peristaltic Pump:
QED Bladder Pump:
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1230 | Weather Conditions: Clear
Sample Time/Date: 1305 / 9/1/09 | Water Color: clear Odor: Y / (N)
Approx. Flow Rate: — gpm. | Sediment Description: 1.0 HY
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 13.40

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1234	1.5	7.61	681	23.1		
1238	3.0	7.47	695	23.0		
1242	4.0	7.42	722	23.2		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	2 x 500ml ambers	YES	NO	LANCASTER	TPH-DRO (8015)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only
Acct. #: 12099 Sample # 5767668-71 Group #: 018891

1160383

CRA MTI Project #: 61H-1633

Facility #: SS#9-6991 G-R#385296 Global ID#T0600100324
Site Address: 2920 CASTRO VALLEY BLVD, CASTRO VALLEY, CA
Chevron PM: MTI Lead Consultant: CRAKJ
Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: Jim Heaton

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Water	Oil	Air	Potable	NPDES	Total Number of Containers	BTEX + MTBE 8260 ☑ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates	Total Lead Method	Dissolved Lead Method
QA	9/1/09		X			X					2	X	X					
MW-2	↓	1420	X			X					2	X	X	X				
MW-6		1510	X			X					2	X	X	X				
MW-7		1305	X			X					2	X	X	X				

Analyses Requested
Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☑ Must meet lowest detection limits possible for 8260 compounds
8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I - Full **EDF/EDD**
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Date	Time		Date	Time
Relinquished by:	9/1/09	1700	Received by:	9/2/09	1515
Relinquished by:	9/2/09		Received by:	9/2/09	
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	9/3/09	0910
Temperature Upon Receipt 1.5-3.7 C°			Custody Seals Intact? Yes No		

1.5-3.7

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Analysis Report

ANALYTICAL RESULTS

RECEIVED
SEP 17
GETTLER-RYAN INC.
GENERAL CONTRACTORS

Prepared for:

Chevron c/o CRA
Suite 110
2000 Opportunity Drive
Roseville CA 95678

916-677-3407

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

September 15, 2009

SAMPLE GROUP

The sample group for this submittal is 1160383. Samples arrived at the laboratory on Thursday, September 03, 2009. The PO# for this group is 96991 and the release number is MTI.

Client Description	Lancaster Labs Number
QA-T-090901 NA Water	5767668
MW-2-W-090901 Grab Water	5767669
MW-6-W-090901 Grab Water	5767670
MW-7-W-090901 Grab Water	5767671

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO Gettler-Ryan, Inc. Attn: Cheryl Hansen

Lancaster Laboratories

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Analysis Report

Questions? Contact your Client Services Representative
Jill M Parker at (717) 656-2300

Respectfully Submitted,

Valerie L. Tomayko
Group Leader

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5767668

Group No. 1160383
CA

QA-T-090901 NA Water
Facility# 96991 Job# 385296 MTI# 61H-1633 GRD
2920 Castro Valley Blvd-Ca T0600100324 QA

Collected: 09/01/2009

Account Number: 12099

Submitted: 09/03/2009 09:10
Reported: 09/15/2009 at 09:43
Discard: 10/16/2009

Chevron c/o CRA
Suite 110
2000 Opportunity Drive
Roseville CA 95678

CV-TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
06054	Benzene	71-43-2	N.D.	0.5	1
06054	Ethylbenzene	100-41-4	N.D.	0.5	1
06054	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
06054	Toluene	108-88-3	N.D.	0.5	1
06054	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D092473AA	09/05/2009 00:53	Kelly E Brickley	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	D092473AA	09/05/2009 00:53	Kelly E Brickley	1
01146	GC VOA Water Prep	SW-846 5030B	1	09247D20A	09/08/2009 15:04	Panella S Zamcho	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09247D20A	09/08/2009 15:04	Panella S Zamcho	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5767669

Group No. 1160383
CA

MW-2-W-090901 Grab Water
Facility# 96991 Job# 385296 MTI# 61H-1633 GRD
2920 Castro Valley Blvd-Ca T0600100324 MW-2

Collected: 09/01/2009 14:00 by JH

Account Number: 12099

Submitted: 09/03/2009 09:10
Reported: 09/15/2009 at 09:43
Discard: 10/16/2009

Chevron c/o CRA
Suite 110
2000 Opportunity Drive
Roseville CA 95678

CV-M2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
06054	Benzene	71-43-2	N.D.	0.5	1
06054	Ethylbenzene	100-41-4	N.D.	0.5	1
06054	Methyl Tertiary Butyl Ether	1634-04-4	10	0.5	1
06054	Toluene	108-88-3	N.D.	0.5	1
06054	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Extractable TPH	**SW-846 8015B**		ug/l	ug/l	
06609	TPH-DRO CA C10-C28	n.a.	75	50	1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D092473AA	09/04/2009 21:27	Kelly E Brickley	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	D092473AA	09/04/2009 21:27	Kelly E Brickley	1
01146	GC VOA Water Prep	SW-846 5030B	1	09247D20A	09/08/2009 18:19	Fanella S Zamcho	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09247D20A	09/08/2009 18:19	Fanella S Zamcho	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	092460022A	09/04/2009 08:45	Cynthia J Salvatori	1
06609	TPH-DRO CA C10-C28	SW-846 8015B	1	092460022A	09/08/2009 11:47	Diane V Do	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5767670

Group No. 1160383
CA

MW-6-W-090901 Grab Water
Facility# 96991 Job# 385296 MTI# 61H-1633 GRD
2920 Castro Valley Blvd-Ca T0600100324 MW-6

Collected: 09/01/2009 15:10 by JH

Account Number: 12099

Submitted: 09/03/2009 09:10
Reported: 09/15/2009 at 09:43
Discard: 10/16/2009

Chevron c/o CRA
Suite 110
2000 Opportunity Drive
Roseville CA 95678

CV-M6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
06054	Benzene	71-43-2	N.D.	0.5	1
06054	Ethylbenzene	100-41-4	N.D.	0.5	1
06054	Methyl Tertiary Butyl Ether	1634-04-4	5	0.5	1
06054	Toluene	108-88-3	N.D.	0.5	1
06054	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Extractable TPH	**SW-846 8015B**		**ug/l**	**ug/l**	
06609	TPH-DRO CA C10-C28	n.a.	52	50	1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D092473AA	09/05/2009 01:16	Kelly E Brickley	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	D092473AA	09/05/2009 01:16	Kelly E Brickley	1
01146	GC VOA Water Prep	SW-846 5030B	1	09247D20A	09/08/2009 18:41	Fanella S Zamcho	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09247D20A	09/08/2009 18:41	Fanella S Zamcho	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	092460022A	09/04/2009 08:45	Cynthia J Salvatori	1
06609	TPH-DRO CA C10-C28	SW-846 8015B	1	092460022A	09/08/2009 15:16	Diane V Do	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5767671

Group No. 1160383
CA

MW-7-W-090901 Grab Water
Facility# 96991 Job# 385296 MTI# 61H-1633 GRD
2920 Castro Valley Blvd-Ca T0600100324 MW-7

Collected: 09/01/2009 13:05 by JH

Account Number: 12099

Submitted: 09/03/2009 09:10
Reported: 09/15/2009 at 09:43
Discard: 10/16/2009

Chevron c/o CRA
Suite 110
2000 Opportunity Drive
Roseville CA 95678

CV-M7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
06054	Benzene	71-43-2	N.D.	0.5	1
06054	Ethylbenzene	100-41-4	1	0.5	1
06054	Methyl Tertiary Butyl Ether	1634-04-4	150	0.5	1
06054	Toluene	108-88-3	N.D.	0.5	1
06054	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	2,100	50	1
GC Extractable TPH	**SW-846 8015B**		**ug/l**	**ug/l**	
06609	TPH-DRO CA C10-C28	n.a.	6,800	66	2

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D092473AA	09/05/2009 01:39	Kelly E Brickley	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	D092473AA	09/05/2009 01:39	Kelly E Brickley	1
01146	GC VOA Water Prep	SW-846 5030B	1	09247D20A	09/08/2009 19:03	Fanella S Zamcho	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09247D20A	09/08/2009 19:03	Fanella S Zamcho	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	092460022A	09/04/2009 08:45	Cynthia J Salvatori	1
06609	TPH-DRO CA C10-C28	SW-846 8015B	1	092460022A	09/09/2009 10:18	Diane V Do	2

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Analysis Report

Quality Control Summary

Client Name: Chevron c/o CRA
Reported: 09/15/09 at 09:43 AM

Group Number: 1160383

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D092473AA	Sample number(s): 5767668-5767671							
Benzene	N.D.	0.5	ug/l	95		79-120		
Ethylbenzene	N.D.	0.5	ug/l	89		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	87		76-120		
Toluene	N.D.	0.5	ug/l	91		79-120		
Xylene (Total)	N.D.	0.5	ug/l	91		80-120		
Batch number: 09247D20A	Sample number(s): 5767668-5767671							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	109	109	75-135	0	30
Batch number: 092460022A	Sample number(s): 5767669-5767671							
TPH-DRO CA C10-C28	N.D.	32.	ug/l	84	78	56-122	8	20

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: D092473AA	Sample number(s): 5767668-5767671 UNSPK: 5767669								
Benzene	106	110	80-126	3	30				
Ethylbenzene	102	103	71-134	1	30				
Methyl Tertiary Butyl Ether	110	100	72-126	7	30				
Toluene	104	106	80-125	1	30				
Xylene (Total)	103	105	79-125	2	30				
Batch number: 09247D20A	Sample number(s): 5767668-5767671 UNSPK: 5767669								
TPH-GRO N. CA water C6-C12	118		63-154						

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX+MTBE by 8260B
Batch number: D092473AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5767668	99	93	89	93
5767669	96	91	90	94

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron c/o CRA
Reported: 09/15/09 at 09:43 AM

Group Number: 1160383

Surrogate Quality Control

5767670	97	92	90	94
5767671	96	89	93	100
Blank	97	90	90	95
LCS	98	94	89	100
MS	98	94	90	97
MSD	99	95	90	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 09247D20A
Trifluorotoluene-F

5767668	101
5767669	101
5767670	101
5767671	166*
Blank	98
LCS	127
LCSD	124
MS	129
Limits:	63-135

Analysis Name: TPH-DRO CA C10-C28
Batch number: 092460022A
Orthoterpheny1

5767669	87
5767670	87
5767671	113
Blank	77
LCS	95
LCSD	93
Limits:	59-131

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**flb >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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